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REMARKS

In the Office Action, the Examiner rejected the claims under 35 USC §102 and 35 USC §103. Claim 6 has been amended in response to the rejection of claim 6 under 35 USC §112. In addition, the claims have been amended to further clarify the subject matter regarded as the invention. Applicant reserves the right to reintroduce claims of the same or similar scope. The rejections are fully traversed below. Claims 1-82 remain pending.

Reconsideration of the application is respectfully requested based on the following remarks.

REJECTION OF CLAIMS UNDER 35 USC §102

In the Office Action, the Examiner has rejected claims 1, 3-4, 26-27, 34, 42, 44, 46, 52, 64-65, 65-72, and 76-82 under 35 USC §102(e) as being anticipated by Bhagwat et al, U.S. Patent No. 6,651,105, ('Bhagwat' hereinafter). This rejection is fully traversed below.

Bhagwat purports to enable a mobile device to roam securely and seamlessly from one access point to another access point without disrupting an active PPP connection. The method includes establishing, maintaining, and terminating a PPP connection between a mobile device and a PPP server via an access point, wherein the mobile device is equipped with a serial asynchronous communication interface. The PPP server is attached to a packet switched data network, and the access point is acting as a bridge between the serial communication interface and the packet switched communication interface. Also provided is a method to emulate a direct RS-232 cable connection between a mobile device and another computer located several hops away from the mobile device. It provides a method of keeping the RS-232 cable emulation between the mobile device and another computer system intact despite changes in mobile device's location in the network. It also provides a method of exchanging cookies between peers at the PPP connection establishment time and using them for fast reauthentication. This is a secure method of switching from one PPP proxy to another PPP proxy without disrupting the end to end PPP connection. See Abstract.

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Bhagwat specifically relates to establishing a PPP connection. In no manner does Bhagwat disclose or suggest the claimed invention relating to Mobile IP registration with a Home Agent. More particularly, the Examiner refers to a PPP connection request and associated reply. Moreover, it appears that the PPP connection is established between an access point and the mobile device, rather than between a Mobile Node and a Home Agent. Applicant therefore respectfully submits that Bhagwat fails to anticipate the independent claims. The dependent claims depend from one of the independent claims and are therefore patentable for at least the same reasons. However, the dependent claims recite additional limitations that further distinguish them from Bhagwat. The additional limitations recited in the independent claims or the dependent claims are not further discussed, as the above discussed limitations are clearly sufficient to distinguish the claimed invention from the cited reference. Thus, it is respectfully requested that the Examiner withdraw the rejection of the claims under 35 USC §102.

The Examiner has also rejected claims 37-38, 41, and 73-75 under 35 USC §102(e) as being anticipated by Chowdhury, U.S. Patent Application No. 2002/0114323, ('Chowdhury' hereinafter). This rejection is fully traversed below.

Chowdhury relates to dynamically assigning a Home Agent. See Title and Abstract. However, it is important to note that the steps the Examiner cites as disclosed in paragraphs [0036] and [0037] are performed by a HAAA. Moreover, the request and reply packets are not Mobile IP registration request and reply packets. Rather, the request and reply packets of Chowdhury are RADIUS ACCESS REQUEST and ACCESS ACCEPT messages. In other words, these messages are used to authenticate a node

The cited portions of Chowdhury specifically relate to RADIUS ACCESS REQUEST and ACCEPT messages, rather than Mobile IP registration request and reply messages. Moreover, with respect to claim 41, it is important to note that paragraph [0034] does not request that a key be generated, but merely implies that authentication is performed using a preexisting key. Applicant therefore respectfully submits that Chowdhury fails to anticipate the independent claims. The dependent claims depend from one of the independent claims and are therefore patentable for at least the same reasons. However, the dependent claims

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recite additional limitations that further distinguish them from Chowdhury. The additional limitations recited in the independent claims or the dependent claims are not further discussed, as the above discussed limitations are clearly sufficient to distinguish the claimed invention from the cited reference. Thus, it is respectfully requested that the Examiner withdraw the rejection of the claims under 35 USC §102.

In the Office Action, the Examiner has rejected claims 2, 7-11, 17, 28-31, 35, 45, 49-51, 58 and 66 under 35 USC §103 as being unpatentable over Bhagwat in view of Rai et al, U.S. Patent No. 6,421,714, ('Rai' hereinafter). This rejection is fully traversed below.

The Examiner admits that Bhagwat fails to teach the creation of a registration entry for a mobile node in a mobility binding table. However, again, Rai does not appear to relate to Mobile IP registration. Rather, Rai appears to relate to MAC layer registration. See col. 38, lines 1-10. In addition, Bhagwat relates to establishing a PPP session, not Mobile IP registration. Thus, Rai fails to cure the deficiencies of the primary reference, as set forth above. Moreover, the combination of the cited references would fail to achieve the desired result, failing to operate as claimed. Accordingly, Applicant respectfully submits that the combination of the cited references fails to teach or suggest the claimed invention.

In the Office Action, the Examiner has rejected claims 5, 12, 18-25, 43, 47-48, 53, and 59-63 under 35 USC §103 as being unpatentable over Bhagwat in view of Chowdhury. This rejection is fully traversed below.

It is important to note that Bhagwat relates to establishing a PPP session, as set forth above. As such, Bhagwat fails to cure the deficiencies of the primary reference. Accordingly, Applicant respectfully submits that claims 5, 12, 18-25, 43, 47-48, 53, and 59-63 are patentable over the cited references.

In the Office Action, the Examiner has rejected claims 39-40 under 35 USC §103 as being unpatentable over Chowdhury in view of Bhagwat. This rejection is fully traversed below.

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As discussed above, Bhagwat relates to establishing a PPP session. As such, Bhagwat fails to cure the deficiencies of the primary reference. Accordingly, Applicant respectfully submits that claims 39-40 are patentable over the cited references.

In the Office Action, the Examiner has rejected claims 6, 13-16, 32-33, and 54-57 under 35 USC §103 as being unpatentable over Bhagwat in view of Faccin et al, U.S. Patent Application Number 2002/0114469, ('Bhagwat' hereinafter). This rejection is fully traversed below.

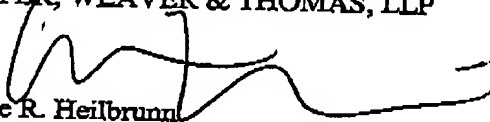
As discussed above, Bhagwat relates to establishing a PPP session. As a result, the combination of the cited references would fail to operate as claimed. Moreover, there fails to be a motivation to combine the cited references. As such, Applicant respectfully submits that the pending claims are patentable over the cited references.

BEST AVAILABLE COPY**SUMMARY**

If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned attorney at the telephone number listed below.

Applicants hereby petition for an extension of time which may be required to maintain the pendency of this case, and any required fee for such extension or any further fee required in connection with the filing of this Amendment is to be charged to Deposit Account No. 50-0388 (Order No. CISC243).

Respectfully submitted,
BEYER, WEAVER & THOMAS, LLP



Elise R. Heilbrunn
Reg. No. 42,649

P.O. Box 70250
Oakland, CA 94612-0250

Tel: (510) 663-1100